

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP COMMITTEE  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number:	15-223
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**PROJECT INFORMATION**

**Project Title:** Hurricane Rim Co-Op Water Catchment Storage Tank Lid

**Region and Game Management Unit:** Region II, GMU 13A

<p><b>Local Habitat Partnership Committee (LHPC):</b></p> <ul style="list-style-type: none"> <li>• Arizona Strip Habitat Working Group</li> </ul>	<p><b>Was the project presented to the LHPC?</b> YES[X] NO []</p> <p>This project has been reviewed and approved by the Arizona Strip Habitat Working Group and is part of the statewide Water Implementation Schedule, as well as the local regional water prioritization.</p>
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**Has this project been submitted in previous years?** YES[] NO[X]

**If Yes, was it funded?** YES[] NO [X] → **Funded HPC Project #(s):**

**Project Type:** Lid for an above ground storage tank for a Co-Op wildlife/livestock water catchment

**Brief Project Summary:**  
This project will place a lid on an above ground 80,000 gallon storage tank on the Hurricane Rim Co-Op wildlife/livestock water catchment in GMU 13A. The lid will make sure that there is no more loss of wildlife from drowning in the storage tank, which is accessible for wildlife to jump in. Wildlife are pulled out of this storage tank on a yearly basis. The lid will also serve a benefit of reducing evaporation allowing more water for Mule Deer, Desert Bighorn Sheep, and other wildlife in the area. This project is being proposed as a Cost Share Project with the current allotment permittee who has agreed to fund 50% of the project by paying for the contract services for installation of the lid.

**Big Game Wildlife Species to Benefit:** Mule Deer

<p><b>Implementation Schedule</b> (Month/Day/Year):</p> <p><u>Project Start Date:</u> Spring 2016</p> <p><u>Project End Date:</u> Summer 2017</p>	<p><b>Environmental Compliance:</b></p> <p>NEPA Completed: Yes[] No[] N/A[X]          Projected Completion Date: <u>Project falls under maintenance</u></p> <p>State Historic Preservation Office - Archaeological Clearance:          Yes[] No[] N/A[X]          Projected Completion Date: <u>Project falls under maintenance</u></p> <p>Arizona Game and Fish Department EA Checklist: N/A[]          To be Completed by: <u>Joe Currie</u>          Projected Completion Date: <u>Fall 2017</u></p>
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**PROJECT FUNDING**

<b>Special Big Game License Tag Funds Requested:</b>	<b>\$ 5,000</b>
<b>Cost Share or Matching Funds:</b>	<b>\$ 5,000 from the current allotment permittee</b>
<b>Total Project Costs:</b>	<b>\$ 10,000.00</b>

## PARTICIPANT INFORMATION

<b>Applicant</b> (please print): Jeremy Felish Wildlife Manager III, GMU 13A	<b>Address:</b> 3500 South Lake Mary Road Flagstaff, Arizona 86001	<b>E-mail:</b> Jfelish@azgfd.gov
<b>Telephone:</b> 928-856-0726		<b>Date:</b> September 1, 2015
<b>AGFD Contact and Phone No.</b> (If applicant is not AGFD personnel):		
<b>Project has been coordinated with:</b> Bureau of Land Management, Arizona Strip District Joe Currie, Arizona Game and Fish Department		

### NEED STATEMENT – PROBLEM ANALYSIS:

Hurricane Rim Co-Op water catchment is located in south-western Game Management Unit 13A along the Hurricane Rim. The storage tank has about 2 feet that is above ground and the rest is under ground. This makes the storage tank accessible to wildlife, that on a yearly basis fall into the storage tank and cannot get back out. The area wildlife manager and allotment owner yearly have to pull deceased mule deer out of the storage tank. Placing a lid on this storage tank will provide two benefits; one, it will save the wildlife population from falling into the tank and two; it will reduce evaporation allowing more available water.

This water catchment provides a crucial water source for an increasing resident mule deer population. This water catchment consists of an above ground 80,000 gallon storage tank that is filled by a biddum tar apron. The allotment owner and district wildlife manager maintain this water facility.

This habitat area has seen a significant increase in population of mule deer over the past several years, and this water source is used extensively by this population year round. This water serves as a dependable perennial water source for mule deer and other wildlife utilizing this area of southern GMU 13A.

### PROJECT OBJECTIVES:

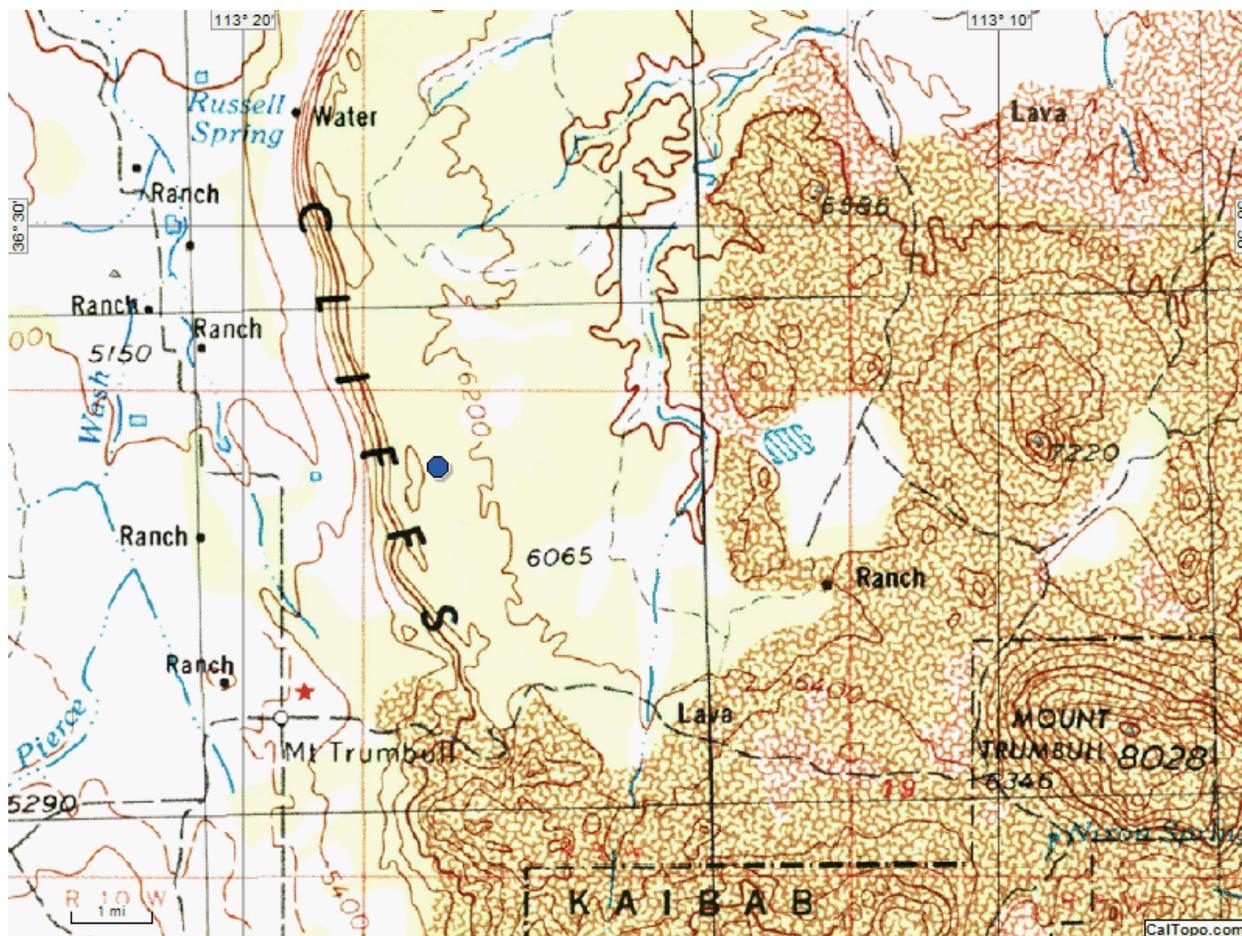
- Improve water availability and distribution for wildlife, in particular mule deer.
- Improve habitat use and distribution of wildlife species by providing additional reliable water sources within the area while increasing life expectancy and dependability of wildlife catchments.
- Decrease evaporation effects on this open water storage tank
- Increase life expectancy and dependability of this catchment
- Decrease or eliminate potential water hauling requirements to this development

### PROJECT DESCRIPTION AND STRATEGIES:

Utilize Big Game Special Tag Funds and the services of a private contractor to install a storage tank lid.

### PROJECT LOCATION:

Game Management Unit 13A  
Mohave County, AZ  
N36 27.418 W113 17.423



Picture of the current storage tank showing accessibility by wildlife.

**LAND OWNERSHIP AT THE PROJECT SITE(S):**

(If the project area is private property, please state specifically and provide the landowner's name)

This project is located 100% on federally managed land administered by the Bureau of Land Management, AZ Strip Field Office within the Grand Canyon Pharashant National Monument.

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*  
YES[] NO[] N/A [X]

**HABITAT DESCRIPTION:**

The Hurricane Rim Co-Op water catchment is located in pinyon juniper habitat with thick stands of sagebrush located within.

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

<b>Costs Category – Equipment, Labor, Materials, etc.</b>	<b>Grant Dollars Requested – Special Tag Funds</b>
<b>80,000 gallon storage tank lid</b>	<b>\$ 5,000</b>
<b>Contractor Services \$5000.00 ea.</b>	<b>\$ 0 (Cost Share by Permittee)</b>
<b>Totals</b>	<b>\$ 5,000.00</b>

**Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)**

The allotment owner has agreed to a cost share on this project and will provide \$5,000 to complete the contractor services on this project.

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

Arizona Game and Fish Department

- Personnel with the Arizona Game and Fish Department will request funding, provide project coordination, and disperse funds to a private contractor.

Bureau of Land Management

- BLM has already purchased the lid for this project

Private Contractor

- Installation of the lid to the existing water storage tank

Arizona Deer Association

- The Arizona Deer Association as well as the Arizona Mule Deer Foundation may be potential cooperators with this project. Participation from these groups is unknown at this time.

**WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING,**

**OR FACILITATING RECREATIONAL ACCESS?**

YES  NO  N/A

History has shown that during travel management planning of the land management agencies, roads that have historic use and provide access to wildlife waters receive priority in remaining open to the public.

**PROJECT MONITORING PLAN:**

After completion of this project, the wildlife catchment will continue to be monitored as part of the Region II Game Management Unit 13A water development protocol. This protocol outlines facility inspection schedules, as well as maintenance schedules if needed. It is anticipated that this catchment will be inspected at least twice a year between April and October each year.

**PROJECT MAINTENANCE:**

The project will be maintained by the responsible District Wildlife Manager and the allotment owner, whom may complete minor maintenance issues when possible. As outlined in the project narrative, long term maintenance needs are expected to be minimal. All maintenance and access needs will be closely coordinated with the Arizona Strip BLM office.

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Jeremy Felish – Wildlife Manager III, GMU 13A

**WATER DEVELOPMENT PROJECTS** (*please use the worksheet below*):

**TREE CLEARING/REMOVAL PROJECTS** (*please use the worksheet below*):

## **ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET**

**PROJECT TITLE: Hurricane Rim Co-Op Water Catchment Storage Tank Lid**

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**  
Yes, in addition this water is also listed on the regional prioritization list for wildlife catchments.
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**  
Joe Curry, 2015
- 3) **What are the estimated annual inches of precipitation for the area? (Mark one)**  
 2-4    4-6    6-8    8-10    10-12    12-14    14-16    >16
- 4) **Is there a perennial water source available to big game within four miles of this project?**  
  
YES (please complete #5 below) NO  (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**  
Name of water source: Hurricane Rim #1 Wildlife Water Catchment  
Type of water source (catchment, spring, dirt tank): Catchment  
Ownership of water source: Arizona Game and Fish Department  
Distance in miles from project: Approximately: 3 miles north
- 6) **Is the target wildlife species a result of transplant efforts? YES  NO**
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, and National Monument). If private land, list landowner.**  
This project is located on Bureau of Land Management lands out of the Arizona Strip field office within the Grand Canyon Pharashant National Monument.
- 8) **Please provide the following information about access to the proposed site:**  
Type of access (mark one):  2x4 vehicles    4x4 only    foot only\*\*  
  
\*\*If foot access only: Distance in miles: less than 1/4   Approximate hiking time: 1 minute  
  
-- Does access to this site require crossing private or tribal lands? YES  NO  
  
-- Please describe any restrictions to public access: None

**9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**

- One lid for an 80,000 gallon storage tank

**10) Was a site visit completed? Yes[] No[]**

If Yes, please list personnel that attended and date.

- BLM has visited this site on a yearly basis inspecting cattle operations with the allotment owner.
- The district wildlife manager visits the site twice a year as prescribed by the district water catchment check protocol.

## **ARIZONA GAME AND FISH DEPARTMENT**

# **VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET**

**PROJECT TITLE:** Hurricane Rim Co-Op Water Catchment Storage Tank Lid

The value of volunteer labor should be calculated at the hourly rate of an employee doing similar work, or using hourly rates from the Arizona Department of Administration’s Human Resource web site, plus a standard ERE rate of 35%. [http://www.hr.az.gov/HR\\_Professional/Class\\_Comp/PDF/alphacovered.pdf](http://www.hr.az.gov/HR_Professional/Class_Comp/PDF/alphacovered.pdf)

\$0.445/mile should be the calculation used for mileage.

<b>Water Development</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Habitat Restoration and Clean Up</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Fisheries</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Nongame Branch Project</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Misc/office work</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			varies	
<b>Community Services</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$7.44	
<b>Events and Other</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Research Branch</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Wildlife Area Hosts</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$17.44	
<b>Education Programs</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$16.07	
<b>Totals</b>				